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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
10/719,856	11/24/2003	Horst G. Adolph	NC 84,049	2952
7590 01/24/2006		EXAMINER		
Office of Counsel Code OC4			SACKEY, EBENEZER O	
Naval Surface Warfare Center Indian Head Division			ART UNIT	PAPER NUMBER
101 Strauss Ave., Bldg. D-31			1626	
Indian Head, MD 20640-5035			DATE MAILED: 01/24/2006	

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)
Office Action Summary		10/719,856	ADOLPH ET AL.
		Examiner	Art Unit
		EBENEZER SACKEY	1626
Period fo	The MAILING DATE of this communication app or Reply	ears on the cover sheet with the c	orrespondence address
A SH WHIC - Exte after - If NC - Failu Any	ORTENED STATUTORY PERIOD FOR REPLY CHEVER IS LONGER, FROM THE MAILING DA nsions of time may be available under the provisions of 37 CFR 1.13 SIX (6) MONTHS from the mailing date of this communication. Depend for reply is specified above, the maximum statutory period were to reply within the set or extended period for reply will, by statute, reply received by the Office later than three months after the mailing ed patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tim vill apply and will expire SIX (6) MONTHS from 1. cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).
Status			
2a) <u></u>	Responsive to communication(s) filed on 24 No.  This action is <b>FINAL</b> . 2b) This  Since this application is in condition for allowant closed in accordance with the practice under E.	action is non-final. nce except for formal matters, pro	
Dispositi	ion of Claims		
5)⊠ 6)⊠ 7)□ 8)□	Claim(s) 1-15 is/are pending in the application.  4a) Of the above claim(s) is/are withdraw Claim(s) 1,2,5-11 and 14 is/are allowed.  Claim(s) 3,4,12 and 15 is/are rejected.  Claim(s) is/are objected to.  Claim(s) are subject to restriction and/or	vn from consideration.	
_	on Papers		
10)[	The specification is objected to by the Examiner The drawing(s) filed on is/are: a) access applicant may not request that any objection to the construction and the correction of the construction of th	epted or b) objected to by the Edrawing(s) be held in abeyance. See on is required if the drawing(s) is obj	e 37 CFR 1.85(a). ected to. See 37 CFR 1.121(d).
Priority u	ınder 35 U.S.C. § 119		
a)[	Acknowledgment is made of a claim for foreign and all b) Some * c) None of:  1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the priorical application from the International Bureausee the attached detailed Office action for a list of	s have been received. s have been received in Application ity documents have been receive (PCT Rule 17.2(a)).	on No ed in this National Stage
2) 🔲 Notice 3) 🔯 Inform	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948) nation Disclosure Statement(s) (PTO-1449 or PTO/SB/08) r No(s)/Mail Date 11/24/03.	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal Pa 6) Other:	

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**DETAILED ACTION** 

**Status of Claims** 

Claims 1-15 are pending.

The specification has not been checked to the extent necessary to determine the presence of all possible minor errors. Applicant's cooperation is requested in correcting

any errors of which applicant may become aware in the specification.

This application currently names joint inventors. In considering patentability of

the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of

the various claims was commonly owned at the time any inventions covered therein

were made absent any evidence to the contrary. Applicant is advised of the obligation

under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was

not commonly owned at the time a later invention was made in order for the examiner to

consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g)

prior art under 35 U.S.C. 103(a).

Information Disclosure Statement

Receipt of the Information Disclosure Statement filed 11/24/03 is acknowledged and

has been entered into the file. A signed copy of the 1449 is attached herewith.

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

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Claims 3-4, 12 and 15 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

The use of the trademark FREON® has been noted in this application. It should be capitalized wherever it appears and be accompanied by the generic terminology.

Although the use of trademarks is permissible in patent applications, the proprietary nature of the marks should be respected and every effort made to prevent their use in any manner, which might adversely affect their validity as trademarks.

## Allowable Subject Matter

Claim 13 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Claims 1-2, 5-11 and 14 are allowed over the prior art of record.

U.S.Patent number 4,452,739 is cited to show the state of the art. A search in the pertinent art area did not yield any reference anticipating or suggesting the preparation of the structural makeup of DNTDFD as claimed herein.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to E. Sackey whose telephone number is (571) 272-0704. The examiner can normally be reached on Monday-Friday from 7:30 am to 4:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

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supervisor, Joseph K. McKane, can be reached on (571) 272-0699. The fax phone number for this Group is (571) 273-8300.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is

(571) 272-1600.

**EOS** 

January 17, 2006

Supervisory Patent Examiner Art Unit 1626, Group 1600

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**Technology Center 1**